BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Name of the Work : Improvements to drains roads and Covering slab at Doddabommasandra ward no 10.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	773.62	Removing and resetting of footpath slab	Sqm	208.82	Rupees Two Hundred Eight And Paise Eighty Two Only
2	457.27	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3	Cum	137.80	Rupees One Hundred Thirty Seven And Paise Eighty Only
3	70.10	KSRRB M2900- PCC 1:3:6 in Foundation KSRRB M2900-1. Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No.	Cum	4479.56	Rupees Four Thousand Four Hundred Seventy Nine And Paise Fifty Six Only
4	113.90	Providing laying palin / reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300kgs with 20mm and downsize granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering shuttering cost of materials, HOM of machinery, curing etc., complet excluding cost of steel as per MORTH specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications **wall & bottom thickness 15cm**	Cum	7070.20	Rupees Seven Thousand Seventy And Paise Twenty Only
5	10.00	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.1 (P.No.16, I.No.4.28 of PW,P&IWTD SR 2018-19)	Sqm	273.48	Rupees Two Hundred Seventy Three And Paise Forty Eight Only

6	48.00	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.16, I.No.4.31 of PW,P&IWTD SR 2018-19)	Sqm	379.48	Rupees Three Hundred Seventy Nine And Paise Forty Eight Only
7	12.00	Providing and laying in position plain/reainforced cement concrete M20 for sub structure/ Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with superplasticisers @ 3ltrs confirming to IS 9103-2008, concrete laid in layers, well compacted and providing weep holes wherever necessary with necessary scaffoldingf, formwork etc., including cost of labour, HOM curing etc., complete	Cum	5277.74	Rupees Five Thousand Two Hundred Seventy Seven And Paise Seventy Four Only
8	7.80	KSRRB M2200-6. Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH specification No 1600 & 2200	Tonne	65046.90	Rupees Sixty Five Thousand Forty Six And Paise Ninety Only
9	656.48	Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete	Sqm	966.72	Rupees Nine Hundred Sixty Six And Paise Seventy Two Only
10	610.73	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications .KBS 5.1.13	Sqm	950.82	Rupees Nine Hundred Fifty And Paise Eighty Two Only
11	1765.80	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13	Sqm	61.48	Rupees Sixty One And Paise Forty Eight Only
12	24.00	RCC Precast cover slab of 250mm thick Providing and Fixing Pre cast Reinforced Cement concrete Covering Slabs of 25cms thick made out of M25 with OPC Cement at 340kg/cum with 20mm and down size graded granite metal coarse aggregates at 0.70cum and Fine Aggregates at 0.74cum with Superplasticisers ,machine mixed including providing and removing centring shuttering strutting propping etc,for edge of slabs with TMT steels (Fe-500) Cost and Reinforcement charges, including finishing as required with cost of all materials, labours and all lead and lift,HOM machineries,curing,including cost of reinforcement etc., complete as direction of Engineer in charge of the work	Sqm	5217.00	Rupees Five Thousand Two Hundred Seventeen Only

13	240.94	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202	Cum	952.94	Rupees Nine Hundred Fifty Two And Paise Ninety Four Only
14	289.02	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301	Cum	43.46	Rupees Forty Three And Paise Forty Six Only
15	395.61	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Using concrete Batching plant at 75cum/hr capacity with fixed form paver . clause 601 of MORTH V Revision and IS 456 Table -5	Cum	3884.90	Rupees Three Thousand Eight Hundred Eighty Four And Paise Ninety Only

16	633.57	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)	Cum	5210.96	Rupees Five Thousand Two Hundred Ten And Paise Ninety Six Only
17	4223.80	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	72.08	Rupees Seventy Two And Paise Eight Only
18	957.61	KSRRB M100-4.1: Cost of Haulage including loading and unloading of stone Boulder / Stone aggregates / Sand /Kankar / Moorum KSRRB M100-1: Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip including with all lead and lifts, loading and unloading,tools, plants, HOM of machinery, cost of materials, labour and other incidental charges etc., complete as per specification and as per the direction by Engineer in charge of the work.MORTH Chapter 1	Cum	82.60	Rupees Eighty Two And Paise Sixty Only

"DTS APPROVED"

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	Note:
1	Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)
2	Unit rates and prices shall be quoted by the Tender in Indian rupees.
3	Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)
4	Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))